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# 1: List Detailed Order Information

Write a query to display the OrderID, CustomerName, EmployeeName (FirstName and LastName), ShipperName, and the total price of all products in the order. Use the Orders, OrderDetails, Customers, Employees, Products, and Shippers tables.

# 2: Products Supplied by Each Supplier for Specific Customers

Write a query to display the SupplierName, ProductName, CustomerName, and the total quantity ordered by the customer. Use the Orders, OrderDetails, Products, Suppliers, and Customers tables. Group the results by SupplierName, ProductName, and CustomerName.

# 3: Identify Employees Who Handled Orders with Products from Multiple Categories

Write a query to find employees (FirstName and LastName) who have processed orders containing products from more than two categories. Use the Orders, OrderDetails, Employees, Products, and Categories tables.

# 4: Total Revenue by Category and Supplier

Write a query to display the total revenue (Quantity \* Price) generated for each CategoryName by each SupplierName. Use the OrderDetails, Products, Categories, and Suppliers tables. Group the results by CategoryName and SupplierName.

# 5: Orders with Products from a Specific Supplier

Write a query to display the OrderID, OrderDate, CustomerName, and the ProductName of products ordered from a specific SupplierName. Use the Orders, OrderDetails, Products, Suppliers, and Customers tables.

# 6: Customers Who Ordered the Most Expensive Products

Write a query to find the CustomerName, OrderID, and ProductName for customers who ordered products with prices higher than the average price of all products. Use the Orders, OrderDetails, Customers, and Products tables.

# 7: Find Orders with the Most Product Categories

Write a query to list the OrderID and the number of distinct product categories ordered in each order. Include the CustomerName and the EmployeeName (FirstName and LastName). Use the Orders, OrderDetails, Products, Categories, Customers, and Employees tables.

# 8: Shippers Who Transported Products from a Specific Category

Write a query to find the ShipperName, ProductName, and total quantity of products transported in the CategoryName "Beverages." Use the Orders, OrderDetails, Products, Categories, and Shippers tables.

# 9: Analyze Customer Spending Across Categories

Write a query to display the CustomerName, CategoryName, and the total amount spent (Quantity \* Price) by each customer in each category. Use the Orders, OrderDetails, Products, Categories, and Customers tables.

# 10: Suppliers with Revenue Contributions by Employee

Write a query to display the SupplierName, EmployeeName (FirstName and LastName), and the total revenue generated by that supplier through orders processed by the employee. Use the Orders, OrderDetails, Products, Suppliers, and Employees tables.

# 11: Find Products Ordered by the Most Customers

Write a query to list the ProductName and the number of unique CustomerName entries who have ordered the product. Use the Orders, OrderDetails, Products, and Customers tables.

# 12: Shippers with the Highest Average Order Value

Write a query to display the ShipperName and their average order value (SUM(Quantity \* Price) divided by the number of orders shipped). Use the Orders, OrderDetails, Products, and Shippers tables.

# 13: Employees Handling the Highest Quantity of Products

Write a query to find the EmployeeName (FirstName and LastName) and the total quantity of products they have handled. Use the Orders, OrderDetails, and Employees tables. Group by EmployeeName.

# 14: Top Suppliers for Each Category

Write a query to display the CategoryName, SupplierName, and the total revenue generated by each supplier for that category. Use the OrderDetails, Products, Categories, and Suppliers tables. Order the results by revenue in descending order.

# 15: Orders Involving Customers and Employees from the Same Country

Write a query to find orders where the Customer and the Employee are from the same country. Display the OrderID, CustomerName, EmployeeName (FirstName and LastName), and the Country.

# 16: Products That Have Been Shipped by All Shippers

Write a query to list the ProductName of products that have been shipped by all shippers. Use the Orders, OrderDetails, Products, and Shippers tables.

# 17: Revenue Generated by Each Customer for Each Shipper

Write a query to display the CustomerName, ShipperName, and the total revenue (Quantity \* Price) generated by the customer through each shipper. Use the Orders, OrderDetails, Customers, and Shippers tables.

# 18: Employees with Most Orders by Category

Write a query to display the EmployeeName (FirstName and LastName), CategoryName, and the number of orders they processed for each category. Use the Orders, OrderDetails, Products, Categories, and Employees tables.

# 19: Products Ordered Together

Write a query to find pairs of products that were ordered together in the same order. Display the ProductName1, ProductName2, and the number of times they were ordered together. Use the OrderDetails and Products tables.

# 20: Unordered Products by Suppliers

Write a query to list the SupplierName and ProductName of products that have never been ordered. Use the Products, OrderDetails, and Suppliers tables.